



Percent Word Problems II

1. Jennifer made a fruit tart using red and green grapes. Forty percent of the grapes are green. If she used a total of 80 grapes, how many red grapes did she use?
2. You just hired a new employee to work in your bakeshop. In one hour the employee burned 250 chocolate chip cookies. If this represented 21% of the day's production, how many cookies had you planned on producing that day?
3. The monthly budget for the front of the house is \$8,000. You spent 6% of the budget on fresh flowers. How much did you spend on fresh flowers?
4. Your food costs are \$2,900. Your total food sales are \$11,600. What percent of your food sales do the food costs represent?
5. You have a large container of olive oil. You have used $2\frac{1}{2}$ quarts of oil. Seventy-five percent of the olive oil remains. How many quarts of olive oil remain?
6. A serving of ice cream contains 240 calories. One hundred forty-four calories come from fat. What percent of the total calories come from fat?
7. The chef has 25 pounds of striploin. The trim loss on the striploin is 35% and the cooking loss is 10% of the trimmed weight. How many pounds of trimmed, cooked striploin will the chef have left to serve to his customers?
8. Jon needs 250 cookies for a buffet. He will make oatmeal raisin, macaroons, and chocolate chunk cookies. He wants 25% of the cookies to be oatmeal raisin and 15% of the cookies to be macaroons. How many chocolate chunk cookies must Jon bake?
9. Henry paid \$39.25 for a cookbook he purchased from a book club. This was a saving of \$3.19 off the regular price. What percent discount did the book club give Henry?
10. Terry's restaurant offers a $7\frac{1}{2}\%$ discount for senior citizens. If a group of seniors paid \$52.18 for lunch after the discount, what would they have paid without the discount?

Answers:

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|-----------|------------------|----------|---------|-------------|
| 1. 48 red | 2. 1,191 cookies | 3. \$480 | 4. 25% | 5. 7.5 qt. |
| 6. 60% | 7. 14.625 # | 8. 150 | 9. 7.5% | 10. \$56.41 |